



National Collaborating Centre  
for Methods and Tools

Centre de collaboration nationale  
des méthodes et outils

# Filling knowledge gaps with new tools from the NCCMT

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# National Collaborating Centre for Methods and Tools

- Supporting use of best available research evidence in public health
  - Innovative, high-quality methods and tools for evidence use
- Target audience includes public health managers and professionals across Canada

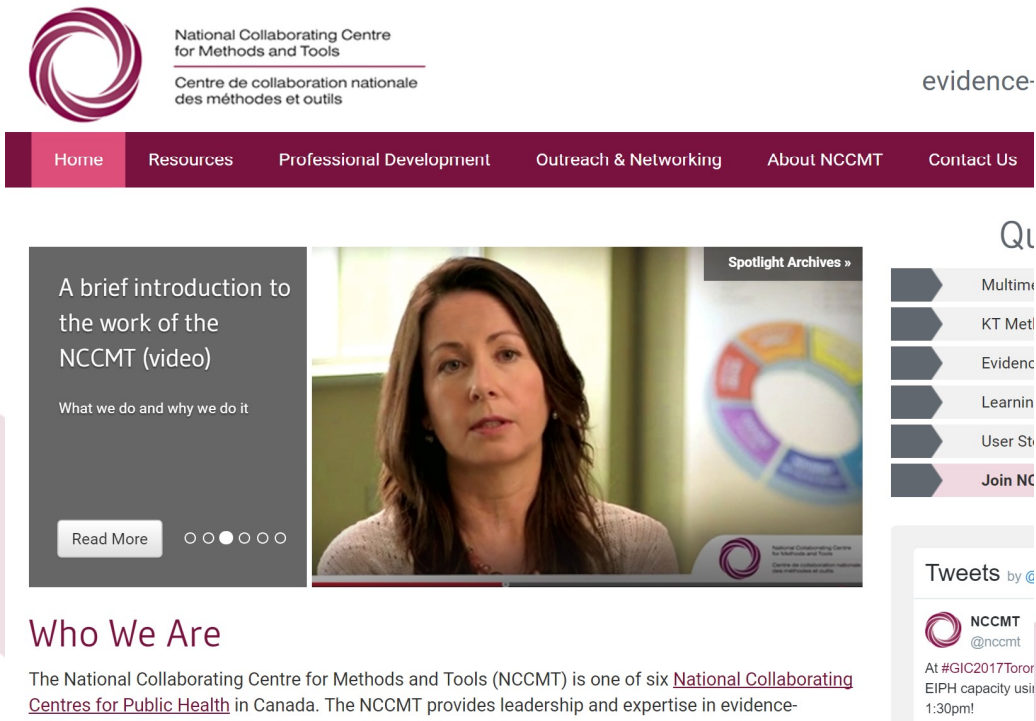


# Evidence-Informed Public Health



# New Tools from NCCMT

1. Skills Assessment Tool
2. Core Competency Tool



The screenshot shows the NCCMT website homepage. At the top left is the NCCMT logo, a stylized circular emblem with the text "National Collaborating Centre for Methods and Tools" and "Centre de collaboration nationale des méthodes et outils". To the right of the logo is the word "evidence-". Below the logo is a navigation bar with the following items: Home, Resources, Professional Development, Outreach & Networking, About NCCMT, and Contact Us. The main content area features a video player with the title "A brief introduction to the work of the NCCMT (video)" and the subtitle "What we do and why we do it". To the right of the video is a "Spotlight Archives" section with a list of categories: Multime, KT Met, Evidenc, Learnin, User St, and Join NC. Below the video is a "Who We Are" section with the text: "The National Collaborating Centre for Methods and Tools (NCCMT) is one of six National Collaborating Centres for Public Health in Canada. The NCCMT provides leadership and expertise in evidence-". To the right of the "Who We Are" section is a "Tweets by @nccmt" section with a tweet from @nccmt: "At #GIC2017Torr EIPH capacity usi 1:30pm!".

[www.nccmt.ca](http://www.nccmt.ca)

# What skills are required to use evidence?

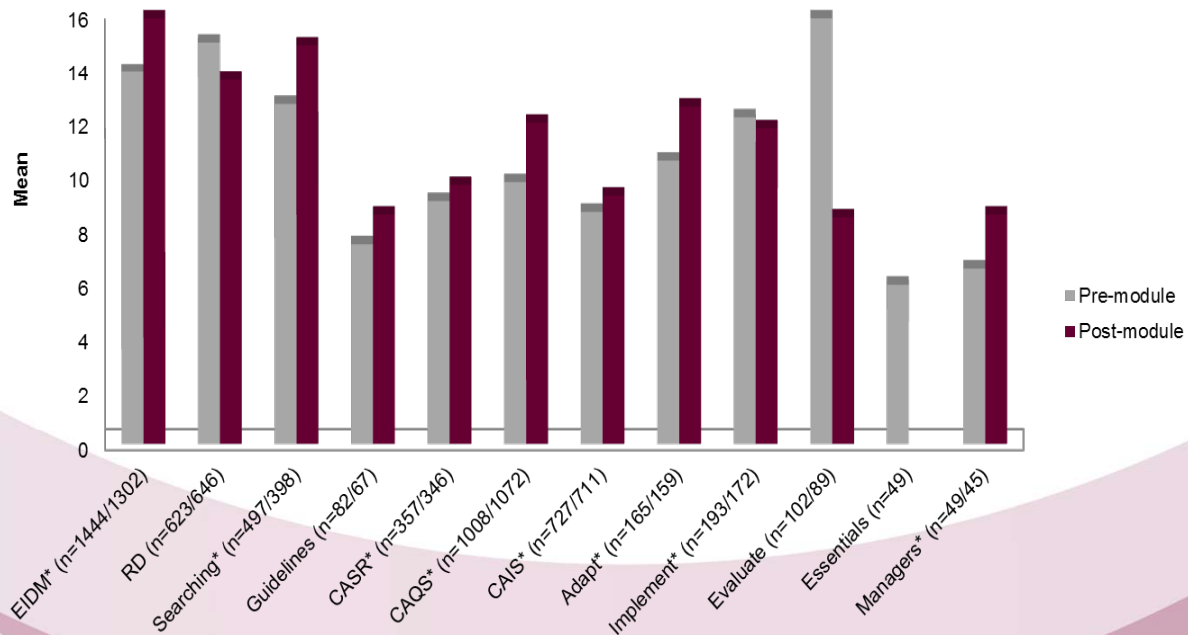
- **Understanding basic research concepts**
  - What does the research tell you?
- **Critical appraisal**
  - How confident are you in the research findings?



# You don't know what you don't know!

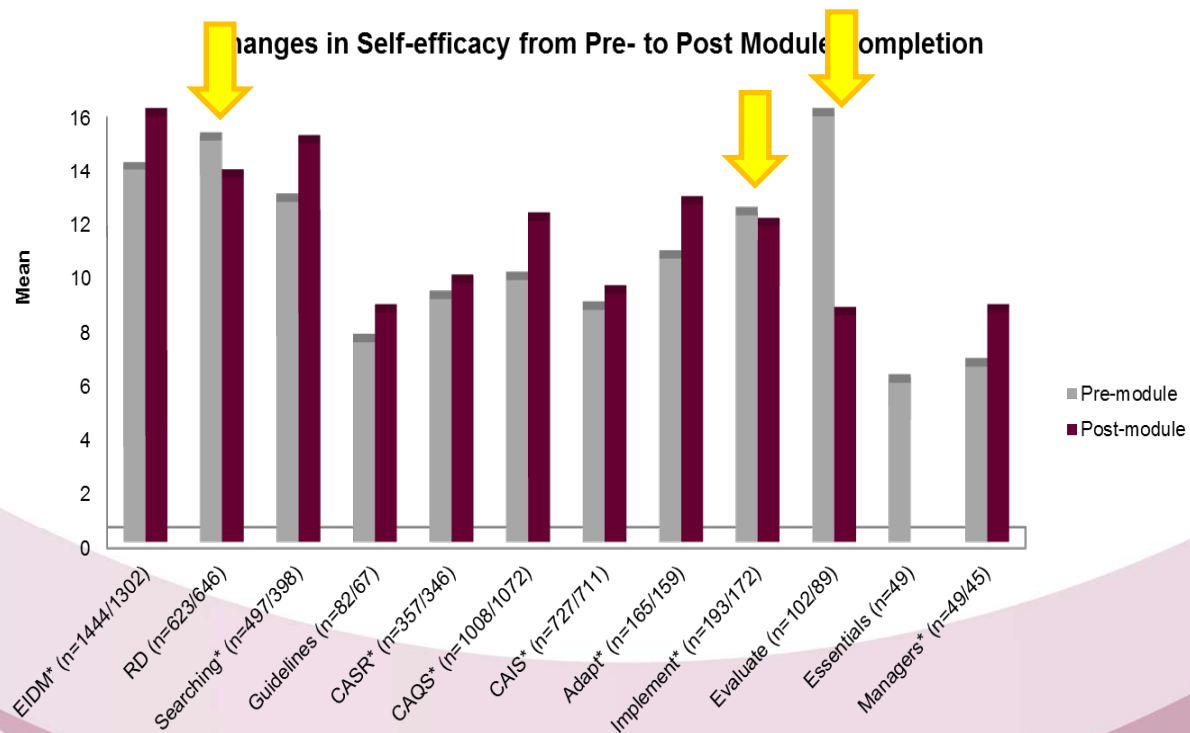
- Response shift
  - Common response to EIDM training

Changes in Self-efficacy from Pre- to Post Module Completion



# You don't know what you don't know!

- Response shift
  - Common response to EIDM training



# EIDM Skills Assessment Tool

Try video ... or just log in



- Free online tool
- Developed by EIDM experts
- Relevant to public health



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# EIDM Skills Assessment Tool

## Tests knowledge and skills

Online EIDM Skills Assessment

QUESTION 6 OF 20

6. Which of the following is the **most** important value to consider when interpreting results for clinical meaning?

- a) treatment effect
- b) P value
- c) sample size
- d) confidence interval
- e) I don't know

Submit

Previous

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Online EIDM Skills Assessment

QUESTION 9 OF 20

This figure provides the results of a meta-analysis of the effects mobile phone interventions compared to control on smoking cessation.

Review: Mobile phone-based interventions for smoking cessation  
 Comparison: 1 Mobile phone intervention v. control  
 Outcome: 1 26wk continuous abstinence

Study or subgroup	Treatment n/N	Control n/N	Risk Ratio M-H,Fixed,95% CI	Weight	Risk Ratio M-H,Fixed,95% CI
Borland 2012	68/755	26/422			
Free 2009	15/102	19/99		12.5%	1.46 [0.9
Free 2011	268/2911	124/2881		7.6%	0.76 [0.4
Rodgers 2005	64/852	39/853		50.4%	2.14 [1.7
Whitaker 2011	29/110	32/116		15.7%	1.64 [1.1
<b>Total (95% CI)</b>	<b>47/30</b>	<b>43/70</b>		<b>100.0%</b>	<b>1.71 [1.47</b>

Total events: 444 (Treatment), 240 (Control)  
 Heterogeneity: Chi<sup>2</sup> = 18.77, df = 4 (I<sup>2</sup> = 0.00087); P = .75%  
 Test for overall effect: Z = 7.30 (P < 0.00001)  
 Test for subgroup differences: Not applicable

9. Select the sentence that best describes the overall results from the figure above.

- a) People who received mobile phone interventions were half as likely as the control group to be abstinent at 26 weeks.
- b) People who received mobile phone interventions were 1.7 times more likely than the control group to have continuous abstinence at 26 weeks.

Next

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# EIDM Skills Assessment Tool

## Recommends next steps

**Online EIDM Skills Assessment**

Skills Assessment

T

Print PD

Thank you for completing the Online EIDM Skills Assessment.

The preceding multiple-choice questions were designed to assess your knowledge of how to find and use research evidence in de Please review the following summary of free resources that will help you about questions you got wrong.

You may re-launch this assessment at any time from the Learning Centri the option to print out this section.

**5. Which of the following is not a quality criterion for systematic review?**

You can find more information about this topic in several places. We su with the module *EIDM Essentials*, then move onto the module *Intro then the *Critical Appraisal of Systematic Reviews* module.*

**8. Based on the table above, are the results statistically si**

You can find more information about this topic in several places. We su with the module *EIDM Essentials*, then move onto the module *Introduct then the *Critical Appraisal of Intervention Studies* module. Very useful s understanding different statistical results are also available in *Understa Evidence, including Understanding a Confidence Interval.**

**11. You are exploring a school-based intervention for teen**



# Target Users

- Students
- Public health professionals
- Managers and team leaders



# Estimated Launch

- **Coming Summer 2017**
  - Will be featured in NCCMT Newsletter and website
  - [www.nccmt.ca](http://www.nccmt.ca)



# Core Competencies for Public Health

- Developed by PHAC
- Essential knowledge, skills and attitudes necessary for the practice of public health



# 36 Core Competency Statements

1. Public health sciences
2. Assessment and analysis
3. Policy and program planning, implementation and analysis
4. Partnerships, collaboration and advocacy
5. Diversity and inclusiveness
6. Communication
7. Leadership



# Skills Online Self Assessment

communities. It is the embodiment of attitudes and practices that result in inclusive behavior policies.

**Please click in the column with the best answer for each of the questions below.**

**Question 3:** Do I have professional development/learning needs regarding this competency?

**Question 2:** How often am I required to use this competency in my job?

**Question 1:** For each competency statement below, what level of ability best reflects my current knowledge and/or practice?

	Not aware	Aware	Understand	Apply	Synthesize
5.1 Recognize how the determinants of health (biological, social, cultural, economic and physical) influence the health and well-being of specific population groups.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.2 Address population diversity when planning, implementing, adapting and evaluating public health programs and policies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.3 Apply culturally-relevant and appropriate approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>





# NCCMT Core Competency Tool

- Free online tool
- Links resources to core competencies

Click [here](#) for more information on PHAC's Core Competencies for Public Health.

## Competencies

Expand All ▼

- ✓ 1. Public Health ⓘ
- ✓ 2. Assessment and Analysis ⓘ
- ✓ 3. Policy and Program Planning Implementation and Evaluation ⓘ
- ✓ 4. Partnerships, collaboration and advocacy ⓘ
- ✓ 5. Diversity and inclusiveness ⓘ

Select a filter on the left to show results





# NCCMT Core Competency Tool

## Competencies

Expand All ▼

Results 1-15 of 15

- ^ 1. Public Health i
  - 1.1 - Health knowledge i
  - 1.2 - Health system knowledge i
  - 1.3 - Apply public health science i
  - 1.4 - Use evidence and research i
  - 1.5 - Lifelong health learning i
- ∨ 2. Assessment and Analysis i
- ∨ 3. Policy and Program Plan Implementation and Evaluation i
- ∨ 4. Partnerships, collaboration and advocacy i
- ∨ 5. Diversity and inclusiveness i
- ∨ 6. Communication i

### Assessing the Applicability and Transferability of Evidence

Applicability and Transferability of Evidence is a certificate module, This module helps you to understand and use a structured process and criteria for adapting research evidence to public health decision-making using the Applicability and Transferability (A+T) tool for a relevant public health scenario.

Other competencies supported by this resource: 1.1, 1.3, 1.4, 2.6 +

### EIDM Essentials: Key issues in evidence informed decision making

This abbreviated module introduces you to the key issues in the evidence-informed decision making process. EIDM Essentials may be used as a first step before you complete the (original) Introduction to Evidence-Informed Decision Making certificate module. This module does not earn a certificate of competence; however, a certificate of completion is awarded.












Other competencies supported by this resource: 1.3, 1.4, 3.1, 3.2 +

### Evaluating KT Strategies in Public Health



# NCCMT Core Competency Tool

## Competencies

- ✓ 1. Public Health 
- ✓ 2. Assessment and Analysis 
- ^ 3. Policy and Program Planning, Implementation and Evaluation 
  - 3.1 - Describe policy and program options 
  - 3.2 - Understand implications, recommendations 
  - 3.3 - Develop implementation plans 
  - 3.4 - Implement policy or program 
  - 3.5 - Implement practice guidelines 
  - 3.6 - Evaluate policy or program 
  - 3.7 - Set priorities, maximize outcomes 
  - 3.8 - Fulfill roles in emergency situations 

### Critical Appraisal of Guidelines

This module teaches you how guidelines are developed and how to assess them. With this knowledge, you can confidently determine whether the guidelines you find are appropriate for your own public health situation.

Other competencies supported by this resource: 1.4, 3.1, 3.2, 3.5

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Other competencies supported by this resource: 1.3, 1.4, 3.1, 3.2 

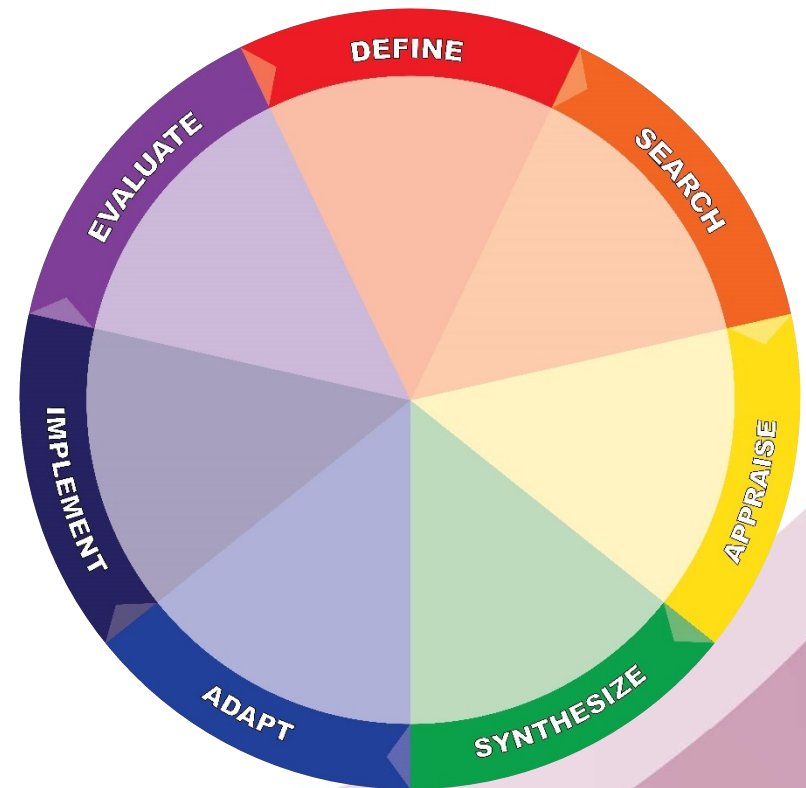
### Implementing KT Strategies in Public Health

This module uses a realistic public health scenario and several interactivities to explore knowledge translation strategies. This module builds on the group function currently available in NCCMT's Learning Centre. If this module can be completed by an individual, we encourage learners to complete it.



# Indexed Resources

- Online learning modules
- Understanding Research Evidence videos
- 7-Steps of EIPH videos
- 6S Search pyramid
- Webpages



# NCCMT Core Competency Tool

Click [here](#) for more information on PHAC's Core Competencies for Public Health.

## Competencies

- ∨ 1. Public Health  on and
- ∨ 2. Assessment and Analysis
- ∨ 3. Policy and Program Planning, Implementation and Evaluation 
- ∨ 4. Partnerships, collaboration and advocacy 
- ∨ 5. Diversity and inclusiveness 
- ∧ 6. Communication 
- 6.1 - Communicate effectively 
- 6.2 - Interpret information 

### 6.1 - Communicate effectively...

There are currently no NCCMT resources applicable to this core competency.

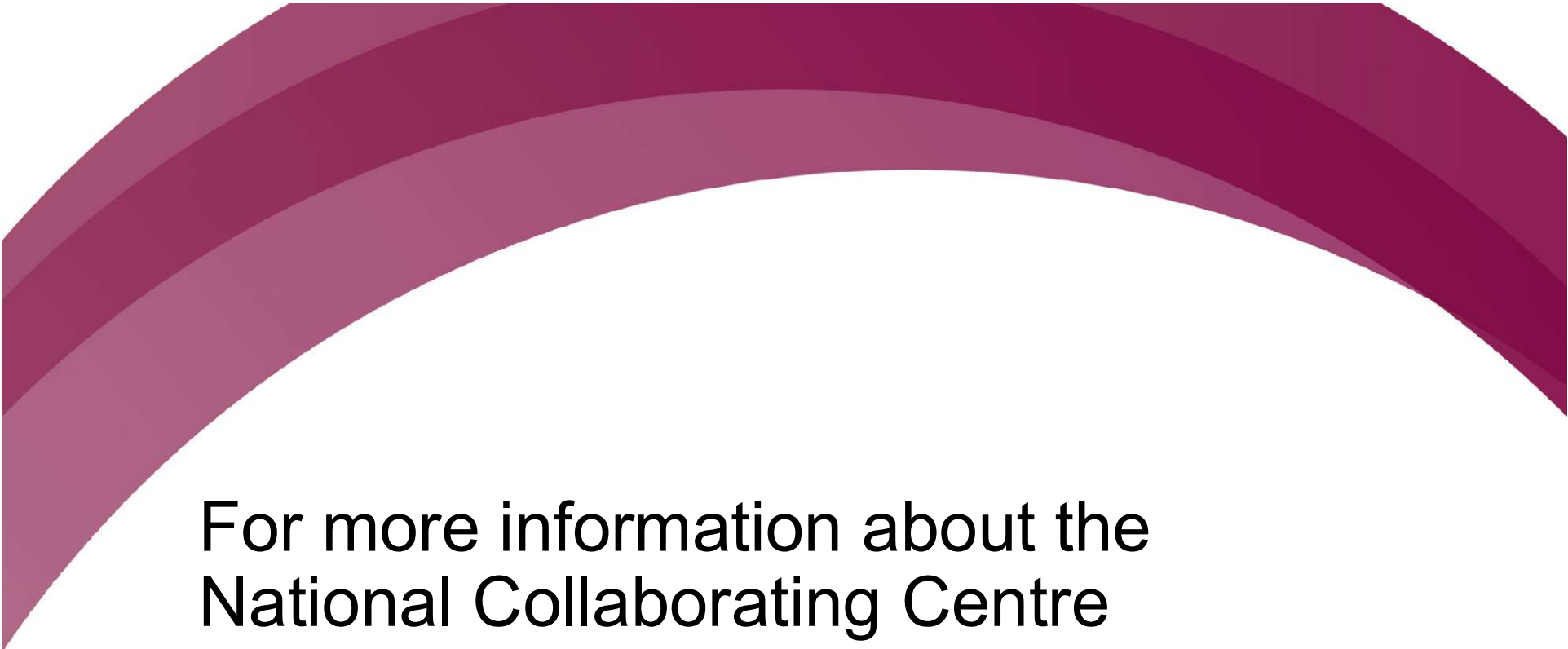
There are currently no NCCMT resources applicable to this core competency.



# Potential Users

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- Public health professionals
- Managers and team leaders





For more information about the  
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for Methods and Tools:

NCCMT website [www.nccmt.ca](http://www.nccmt.ca)

Contact: [nccmt@mcmaster.ca](mailto:nccmt@mcmaster.ca)

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